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Title:
Perfect score:
                                                                                                                                OM nucleic - nucleic search, using sw model
US-09-851-670-16
                                                                                                 March
                                                                                                                                                                                          GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.
                                                     9, 2002, 00:54:10; Search time 319.49 Seconds (without alignments) 17.013 Million cell updates/sec
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Scoring table: Sequence: 1 gtccaaggcagagcaatttctgca 24

IDENTITY\_NUC Gapop 10.0 , Gapext 1.0

Searched:

Total number of hits satisfying chosen parameters:

515962

351203 seqs, 113238999 residues

Minimum DB seq length: 0 Maximum DB seq length: 60

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

Issued\_Patents\_NA:\*
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq:\*
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq:\*
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq:\*
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq:\*
5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq:\*
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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27	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	ഗ	4	ω	2	ш	No.
12.8	$\rightarrow$	13	13	13	13	13	13.2	13.2	13.2		13.2	13.2			13.2	•	13.2	•	13.2	13.2	13.6	13.6	13.8	14	14.2	Score
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19	48	48	48	48	48	23	45	39	39	39	39	39	39	39	39	39	39	30	18	18	26	26	23	28	30	Length
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US-08-630-592-11 US-08-714-991-11	7	US-08-482-080A-208	US-08-475-228A-208	-08-123-		US-08-859-998-816	US-09-171-945-127	US-08-228-208A-3	US-08-488-062-3	US-08-725-776-3	US-08-465-078-3		-08-459-	-800-80-	US-08-219-518A-3	US-08-219-116A-3			-177-	US-09-157-177-61	US-08-927-855-51	US-08-591-070A-51	US-08-864-357F-14	US-08-859-998-311	US-08-220-606B-8	ID
Sequence 11, Appl Sequence 11, Appl	208,	Œ	208,	208,		816,	127	ω,	ω	ω	ω	ω	ω,	ω	ω	ω	ω,	9, 7	89,	61,	51,	-	14, 1	311	Sequence 8, Appli	Description

Qy

5 aaggcagagcaatttctgc 23

Query Match
Best Local Similarity 84.3
Matches 16; Conservative

59.2%; Score 14.2; DB 1; Length 30; 84.2%; Pred. No. 1.8e+02; rative 0; Mismatches 3; Indels

0;

Gaps

0;

29 12.8 53.3 20 1 US-08-446-926A-3 12.8 53.3 20 5 PCT US94-04496-85 31 12.8 53.3 20 5 PCT US94-04496-85 20 12.8 53.3 20 5 PCT US95-12960-3 31 12.8 53.3 20 5 PCT US95-12960-3 31 12.8 53.3 20 5 PCT US95-12960-3 31 12.8 53.3 20 4 US-09-481-288-24 20 20 20 20 20 20 20 20 20 20 20 20 20
12.8 53.3 20 1 12.8 53.3 20 5 12.8 53.3 20 5 12.8 53.3 20 5 12.8 53.3 20 5 12.8 53.3 29 4 12.8 53.3 37 4 12.8 53.3 37 4 12.8 53.3 37 4 12.6 52.5 31 1 12.6 52.5 31 1 12.6 52.5 38 1 12.4 51.7 27 5 12.4 51.7 30 2 12.4 51.7 30 2
53.3 20 1 53.3 20 5 53.3 20 5 53.3 20 5 53.3 3 20 5 53.3 3 20 4 53.3 3 31 2 53.3 31 2
20 20 20 20 20 20 20 20 20 20 20 20 20 2
1 US-08-446-926A-3 1 US-08-446-926A-3 5 PCT-US95-12960-3 4 US-09-75-4738-7 2 US-09-75-4738-7 2 US-09-075-95-3 4 US-08-965-1 2 US-08-96-96-1 1 US-08-106-761-12 1 US-08-368-852-11 2 US-08-368-852-11 4 US-09-73-836-11
US-08-446-926A-3 US-08-545-860D-85 PCT-US95-12960-3 US-09-481-288-24 US-08-795-4738-7 US-09-075-395-3 US-09-035-665-1 US-08-936-387-4 PCT-US95-1665-1 US-08-166-761-12 US-08-166-761-12 US-08-166-761-12 US-08-166-761-11 US-08-368-852-11 US-08-368-852-11 US-08-96-388-11 US-08-976-838-11

## ALIGNMENTS

; TELEPHONE: 415-854-3660 ; TELEFAX: 415-854-3694 ; TELEX: 66141 PENNIE ; INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: SEQUENCE CHARACTERISTICS: TYPE: nucleic acid STRANDEDNESS: unknown ; TOPOLOGY: unknown ; MOLECULE TYPE: DNA US-08-220-6068-8	COMPUTER READABLE FORM:  COMPUTER READABLE FORM:  MEDIUM TYPE: Floppy disk  COMPUTER: LBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25  CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/220,606B  FILING DATE: 25-MAR-1994  CLASSIFICATION: 435 ATTORNEY/AGENT INFORMATION: NAME: Halluin, Albert P. REGISTRATION NUMBER: 25,227  REFERENCE/DOCKET NUMBER: 25.227  REFERENCE/DOCKET NUMBER: 25.227	RESULT 1 US-08-220-606B-8/c US-08-220-606B-8/c ; Sequence 8, Application US/08220606B ; Patent No. 5641661 ; Patent No. 5641661 ; Patent No. Tollow: APPLICANT: Kumagai, Monto H. APPLICANT: Genadi, Sverlow J. TITLE OF INVENTION: ZZAZ Regulatory Regions for Heterologous Gene E NUMBER OF SEQUENCES: 57 CORRESPONDENCE ADDRESS: APPRESSE: Pennie & Edmonds STREET: 1155 Avenue of the Americas CITY: New York ; COUNTRY: New York ; COUNTRY: U.S.A.
		Expression

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US-08-864-357F-14
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US-08-859-998-311
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                                                                                                                                    Sequence 14, Application US/08864357F Patent No. 6255281
                                                                                                                    GENERAL INFORMATION:
   FILE REFERENCE: 116142/2
CURRENT APPLICATION NUMBER: US/08/864,357F
CURRENT FILING DATE: 1997-05-28
NUMBER OF SEQ ID NOS: 22
                                                    APPLICANT: Claragen, Inc. & NIH
TITLE OF INVENTION: Use of Recombinant Human Uteroglobin in Treatment of Inflammatc
TITLE OF INVENTION: FIRST CONDITIONS
                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: 415-322-50
TELEFAX: 415-854-0875
INFORMATION FOR SQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS
LENGTH: 28 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION: TELEPHONE: 415-322-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Bibilashvilli, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1375
                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09
                                                                                                                                                                                                                                                                                                               Local
                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
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17; Conserv
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2200 Sand Hill Road, Suite 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Application US/08859998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Jokhadze, George
Bibilashvilli, R
                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Diskette
                                                                                                                                                                                                                                                                                                              58.3%;
77.3%;
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Pred. No.
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                                                                                                                                                                                                                                                                                                                         Length 28;
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                                                                                                                                                                                                                                                                                            0;
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                  US-08-927-855-51
                                RESULT
; Sequence 51, Application US/08927855
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                                                                                                                    ; DESCRIPTION: US-08-591-070A-51
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US-08-591-070A-51
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Best Local Similarity
Matches 15; Conserva
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US-08-864-357F-14
                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: COOK, ROBERT R
REGISTRATION NUMBER: 31,60
REFERENCE/DOCKET NUMBER: A
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
                                                             Query Match
Best Local Similarity
                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 51, Application US/08591070A Patent No. 5756083
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SEQ ID NO 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 23
TYPE: DNA
ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                             MOLECULE TYPE:
                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: FILING DATE: 09-FEB
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                                                                                                                                                                                                                                                                                         FILING DATE:
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                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                              LENGTH:
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                                                                                                                                                                                 nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
                                                    Conservative
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                                                                                                                                                         linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AMGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                 Floppy disk
                                                                                                                                /desc = "nucleic acid"
                                                                                                                                                                                                                                                                                                                                         09-FEB-1996
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                                                                                                                                                                    single
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80.0%;
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 22
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                                                                Score 13.6;
Pred. No. 3
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Pred. No. 2.
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                                                    Mismatches
                                                              .4e+02;
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                                                                            DB 1;
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                                                                          Length 26;
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                                                  Indels
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                                                  0,
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                                                  Gaps
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Patent No. 5989538

GENERAL INFORMATION:

APPLICANT: Elliott, TITLE OF INVENTION:

Elliott,

MPL LIGAND ANALOGS Steven G.

CORRESPONDENCE ADDRESS NUMBER OF SEQUENCES:

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US-08-927-855-51
                                                                                                                                                                                                                                                                                                                                             JS-09-157-177-61/c
                                                                                                                                                                                                                                                                                                              Sequence 61, Application US/09157177 Patent No. 6090558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                  SEQ ID NO 61
                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                   APPLICANT: Monforte, Joseph A.
APPLICANT: Becker, Christopher H.
TITLE OF INVENTION: DNA TYPING BY MASS SPECTROMETRY WITH
TITLE OF INVENTION: REPEAT MARKERS
FILE REFERENCE: GETR:017/GETR017P
CURRENT APPLICATION NUMBER: US/09/157,177
CURRENT FILING DATE: 1998-09-18
                                                                                 EARLIER APPLICATION NUMBER: 60/059,415
EARLIER FILING DATE: 1997-09-19
NUMBER OF SEQ ID NOS: 135
                                                                                                                                                                                                                                                          APPLICANT: Butler, John M. APPLICANT: Li, Jia
                                                                    SOFTWARE: PatentIn Ver.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: A INFORMATION FOR SEQ ID NO: 51: SEQUENCE CHARACTERISTICS:
ORGANISM: Homo sapiens
                TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 591,070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: COOK, ROBERT R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 09-FEB-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                   3 CCAAGGCACAGGACATTCTG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Thousand Oaks
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1840 Dehavilland Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AMGEN INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         other nucleic acid
/desc = "nucleic acid"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     56.7%;
80.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US/08/927,855
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31,602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
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Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                        POLYMORPHIC
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Best Local Similarity
Thehes 15; Conserv
                                                                                                                                                                                                                                                                                          US-08-812-946A-9/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-157-177-89/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        us-09-157-177-89
                                                                                                                                                                                                                                        Sequence 9, Application US/08812946A Patent No. 6221637 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Ver. SEQ ID NO 89
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: GETR:017/GETR017P
CURRENT APPLICATION NUMBER: US/09/157,177
CURRENT FILING DATE: 1998-09-18
EARLIER APPLICATION NUMBER: 60/059,415
EARLIER FILING DATE: 1997-09-19
NUMBER OF SEQ ID NOS: 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Li, Jia
APPLICANT: Monforte, Joseph A.
APPLICANT: Becker, Christopher H.
TITLE OF INVENTION: DNA TYPING BY MASS SPECTROMETRY WITH
TITLE OF INVENTION: REPEAT MARKERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Butler, John M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature LOCATION: (17)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc_feature LOCATION: (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: 2'-deoxythymidine-5'-(S)-phosphorothioate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Biotinylated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE
                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                            TITLE OF INVENTION:
                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                               STREET: 805 Fift
CITY: Washington
STATE: D.C.
 OPERATING SYSTEM:
                    COMPUTER:
                                                                                COUNTRY:
                                                                                                                                             ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                          18 CAAGGCCAAGCCATTTCT 1
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                                                                   20005
                                                                                              D.C.
                                                                                                                               E: Wenderoth,
805 Fifteenth
                                                                               U.S.A.
                                                                                                                                                                                                                            Tsuneaki HIDA et al
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IBM Compatible SYSTEM: MS-DOS
                                 Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                        55.0%;
83.3%;
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Street, N.W., #700
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Pred. No. 4.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 13.2; DB 3; Pred. No. 4.9e+02;
                                 inch,
                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                 1.44
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                                                                                                                                                                                                                                                                                                                                                                                                                       0;
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                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/812,946A FILING DATE: March 4, 1997

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Matches 15; Conserv
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                                                                 TELEFAX: 310/479-8340 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 30 bases
                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
                                                                             TELECOMMUNICATION INFORMATION:
TELEPHONE: 310/312-9900
TELEFAX: 310/479-8340
                                                                                                                                                                              APPLICATION NUMBER: US/08/067,684
FILING DATE: 26-MAY-1993
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC POOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH:
TYPE: n
                                                                                                                                 NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 78
                                                                                                                                                                                                                                                                                                                                                                                     CITY: Pasadena
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                      STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX:
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STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                        91101
             nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    T: Ledbetter, Jeffrey A.
T: Damle, Nitin K.
T: Brady, William
INVENTION: CTLA4 RECEPT.
                                39 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                    225 South Lake
                                                                                                                                                                                                                                                                                                                                                                    U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Linsley, Peter S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                                                                                                                                      Sheldon & Mak
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Other nucleic acid, Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        55.0%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                      Avenue, Suite 900
                                                                                                                                  7848-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 13.2;
Pred. No. 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 4;
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RESULT 10
US-08-219-116A-3/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin ker
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
HYPOTHETICAL: 1
ANTI-SENSE: NO
IMMEDIATE SOURCE:
                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Ledbetter, Jeffrey A. APPLICANT: Damle, Nitin K.
                                                                                                                                 ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION: TELEPHONE: 310/445-1140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION:
                                                                                                                                              HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                CELL TYPE: N/A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 11150 San
CITY: Los Angeles
STATE: California
                                             TISSUE TYPE:
                                                                                                                                                                                                                                                                               TELEX:
                                                                                                                                                                                                                                                                                                                                                    NAME: Adriano, Sarah REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/0 FILING DATE: 29-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        35 CCAAGCAAGAGCATTTTC 18
                                                          DEVELOPMENTAL STAGE: HAPLOTYPE: N/A
                                                                                                       STRAIN:
                                                                                                                   ORGANISM:
                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                                             TELEFAX:
                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER:
                                                                                       STRAIN: N/A
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
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                                                                                                                                                                                                                   nucleic acid
                                                                                                                                                                                                                                                                                 N/A
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11150 Santa Monica Blvd
                                                                                                                                                                                                                                                                                             310/445-9031
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                                                                                                                     N/A
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                      PatentIn Release #1.0, Version #1.25
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                                              N/A
                                                                                                                                                                            DNA (genomic)
                                                                                                                                                                                                       single
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Pred. No. 5.9e+02;
0; Mismatches 3
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                                                             US-08-008-898-3/c
                                                                            RESULT 12
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                  Sequence 3, Application US/08008898 Patent No. 5770197 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sequence 3, Application US/08219518A Patent No. 5580756
                                                                                                                                                                                    Matches
                                                                                                                                                                                                                Query Match
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Best Local
                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 310/445-9031
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: LIBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: 310/445-1140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Linsley, Peter S. APPLICANT: Ledbetter, Jeffrey A. APPLICANT: Damle, Nitin K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                POSITION IN GENOME:
CHROMOSOME/SEGMENT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: NUMBER OF SEQUENCES:
      APPLICANT:
                                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Los Angeles
STATE: California
                                                                                                                           35
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CLASSIFICATION:
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Local Similarity 83.3%;
es 15; Conservation
                                                                                                                                                                                                  Local
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                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
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                                                                                                                        3 ccaaggcagagcaatttc 20
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|35 CCAAGCAAGAGCATTTTC 18
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15; Conserv
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   Linsley, Peter S
                                                                                                                                                                                     Conservative
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83.3%;
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Pred. No. 5.9e+02;
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Pred. No. 5.9e+02;
0; Mismatches
                                                                                                                                                                                  Mismatches
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COMPUTER READABLE FORM:
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; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: HOMO
US-08-008-898-3
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Best Local Similarity
Themes 15; Conservi
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                                                                                                                                                                                                      Sequence 3, Application Patent No. 5851795
GENERAL INFORMATION:
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NAME: Mandel, Saralynn
REGISTRATION NUMBER: 31,853
REFERENCE/DOCKET NUMBER: 7848
TELECOMMUNICATION INFORMATION:
TELEPHONE: (818) 796-4000
                                                                                                                                    APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
APPLICANT: Brady, William
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FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/723,617
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                                                                                   NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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ADDRESSEE: Sheldon & Mak
                                                                                                                     TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
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                 CITY: Los Angeles
STATE: California
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STATE: California
COUNTRY:
                                                     STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
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Brady, William
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                                                                       Merchant & Gould
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83.3%;
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Pred. No. 5.9e+02;
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SOFTWARE: FastSeq 2.0 CURRENT APPLICATION DATA:

OPERATING SYSTEM: PC-DOS/MS-DOS

IBM PC

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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 3043
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 310-445-9031 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
REFERENCE/DOCKET NUMBER: 30,436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEPAX: 410-445-1140
                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Linsiey, Ledbetter, Jeffrey A. APPLICANT: Ledbetter, Jeffrey A. APPLICANT: Damle, William Poter A.
                                                                                                     ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Kiener, Peter A.
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 26
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                                                                                                                                                                                                                                                                                                                                                                                    STREET: 11150 Sant
CITY: Los Angeles
STATE: California
                                                                  NAME: Adriano, Sarah B. REGISTRATION NUMBER: 34
                                                                                                                      CLASSIFICATION:
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No. 5885579
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 Query Match
Best Local
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Best Local
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                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: 310-445-1140
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Kiener, Peter A. TITLE OF INVENTION: CTLA4 F
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MOLECULE TYPE:
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SOFTWARE: PatentIn Release #1.0, Version #1.30
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hes 15; Conserv
                                                                                           TOPOLOGY:
                                                                                                    STRANDEDNESS: single
                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                             NAME: Adriano, Sarah REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: FILING DATE: 05-JUN
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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83.3%;
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83.3%;
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Score 13.2; DB 2;
Pred. No. 5.9e+02;
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Pred. No. 5.9e+02;
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              Length 39;
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